Data Consortium:
Leveraging Kansas health data to advance health reform via data-driven policy

February 3, 2010

Introductions

Kansas Health Indicators Document Updates

Recent Enhancements
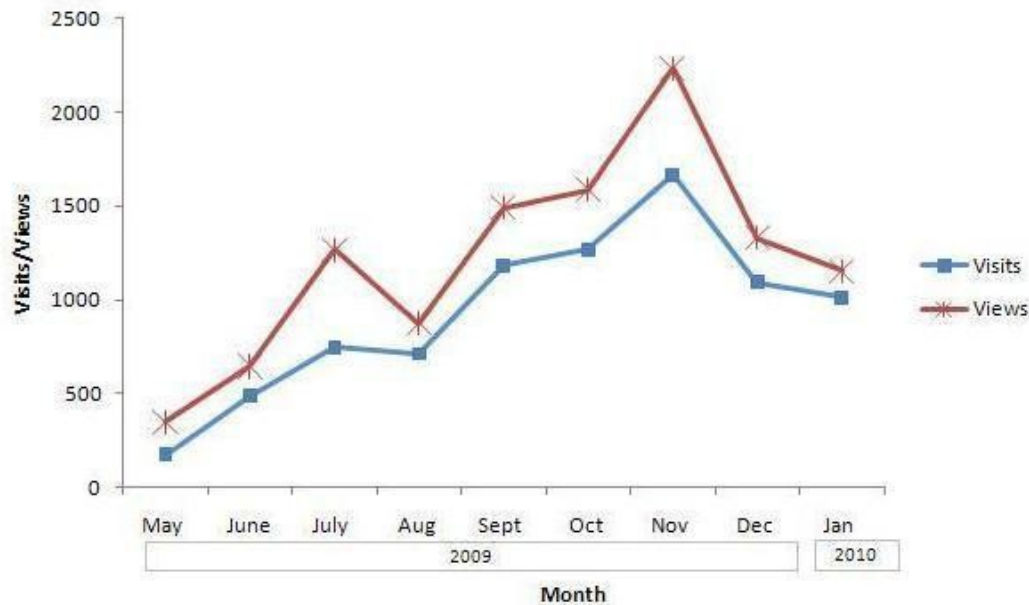
(Dec 2009 – Jan 2010)

- Physician to Population Ratio: MD (Doctor of Medicine) (per 100,000) measure now enhanced to view county-level distributions by specialty
  - Users can now view 70 different stratified chloropleth maps based on a combination of specialty and year
  - Specialties that can be interactively specified:
    » Primary Care   General Surgery
    » Specialist Surgery   Urology
    » Ophthalmology   Ear Nose Throat (ENT)
    » Psychiatry   Dermatology
    » Anesthesiology   Pathology
    » Internal Medicine   Emergency Medicine

Recent Enhancements (cont'd)
Kansas Health Indicators – Monthly Usage Statistics
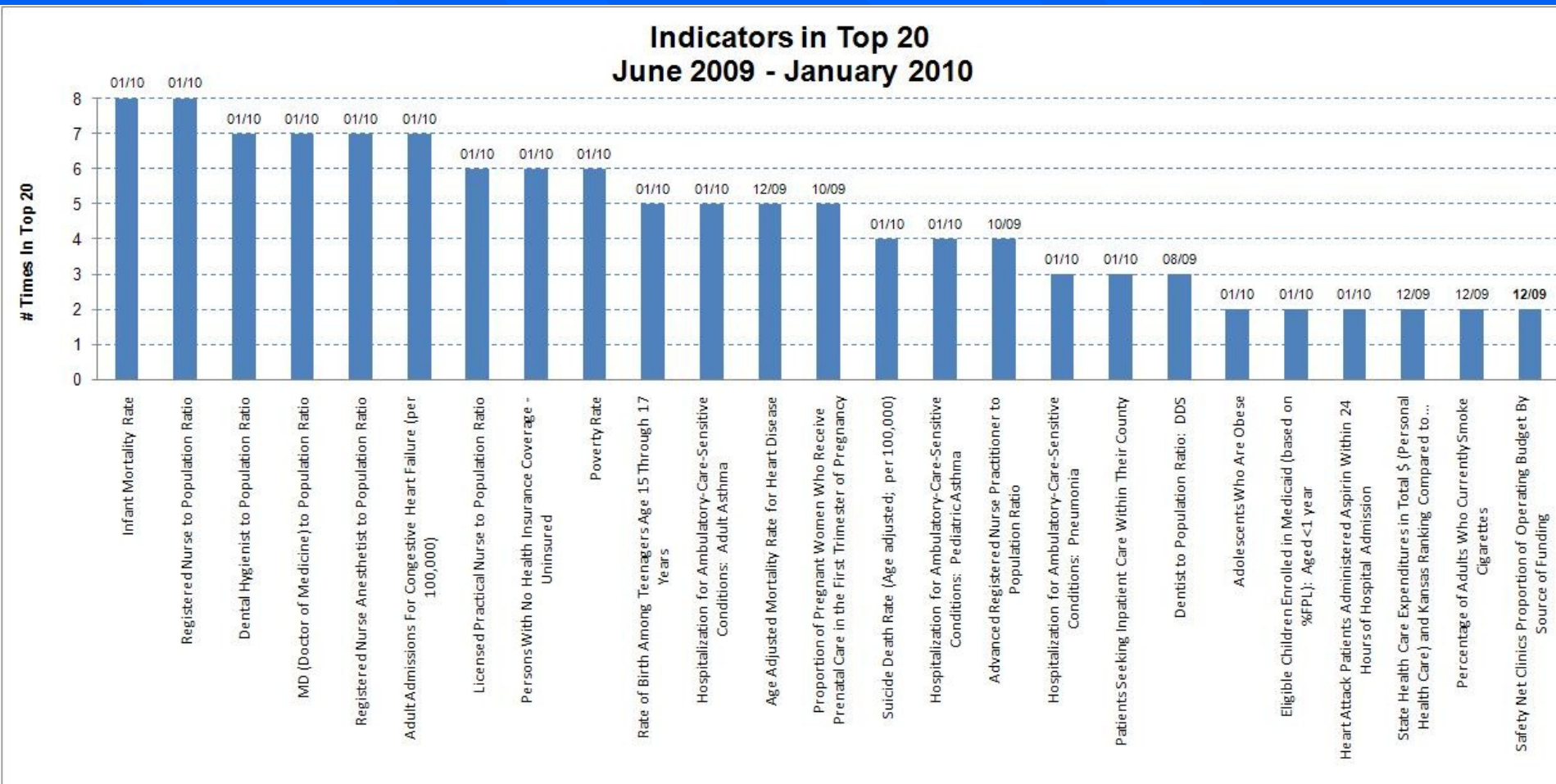
Data Consortium Indicator Trends

Month	Visits	Views
May	174	348
June	486	643
July	747	1267
Aug	712	874
Sept	1181	1493
Oct	1268	1587
Nov	1665	2234
Dec	1095	1330
Jan	1011	1153

- Continuing collection of indicator-level usage statistics:
  - Useful for dynamic, user-driven content management
  - Can help prioritize indicators based on interest to users
  - Optimization of display to minimize "information overload"

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Recent Enhancements (cont'd)

Kansas Health Indicators – Most Frequently Viewed
(Analysis of monthly usage stats: June 2009-January 2010)

Indicators in Top 20
June 2009 - January 2010

Data Analytic Interface (DAI) Update

DAI Status

- January 2008 - Vendor proposals reviewed (technical & cost) to shortlist top vendors
- February 2008– Vendor presentations and first round of negotiations
- February 2008 – Revised cost proposals from all 3 vendors received
- March 2008 – Site visits to clients of potential vendors (reference checks)
- March 2008 – Best & Final Offers Received
- April 2008 – Decision and Proposal sent to CMS
- June 2008 – CMS & KITO approval of vendor selection
- June/July 2008 – Pre-JAD sessions with user groups commenced
- July 2008 – Final Contract Negotiations completed.
- July 2008 – Contract signed and awarded to Thomson Reuters
- August 2008 – Weekly planning meetings commenced and are ongoing
- September 4, 2008 – Work plan approved by KHPA and KITO; Execution started
- September 30, 2008 – Requirements gathering completed from all project stakeholder teams
- October 7, 2008 – Data Summit to normalize all data sources into one database
- October 8, 2008 – Combined Requirements Review and Kick-off
- November 25, 2008 – Requirements Summary Document approved
- March 4, 2009 – Integrated data model approved
- July 9, 2009 – System Integration Test 1 Complete (3 months of data)
- August 3-5, 2009 – Tester Training
- August 17-29 – System Integration Test 2 (3 years of data) and User Acceptance Testing 1
- December 2009- User Acceptance Testing 2
- January 25, 2010 – MMIS/SEHP first production release launched
- February 15, 2010 – Next build to update data and enhance database

Anticipated KHIIS Integration to begin March 2010

First DAI Production Release

- Decision Analyst Module released 1/25/10; NetEffect on 1/29/10

- Medicaid/SEHP data – 3 years

- KHIIS integration to begin in March 2010

- Upgrade to 5 years of Medicaid data in May

- Data updates: monthly for Medicaid, SEHP and quarterly for KHIIS

- Next build expected release: 2/15/2010

DAI DEMO / OVERVIEW

Ross Merritt

DAI – Report Ideas

- **Medicaid/SCHIP (MMIS)**
  - Five years history
- **State Employee Health Program (SEHP)**
  - Five years history
- **KHIIS**
  - No initial historic data load, but accumulated over time
  - Legacy data will be stored on KHPA SQL server

Consortium members are invited to suggest ideas for analyses using the cross-database capabilities of the DAI

Example: Cost and volume driver comparisons between Medicaid, State Employee Health Plan, & KHIIS

What types of other MMIS-SEHP, MMIS-KHIIS, SEHP-KHIIS, MMIS-SEHP-KHIIS comparisons or integrated analyses will be of greatest interest to various stakeholders?

Data Consortium Agenda - Advancing Data Policy

Today's Focus Areas:

1. Health Professions Workforce Data Workgroup Update

2. KHIIS / Private Payer Market Developmental Draft Report Samples

Health Professions Workforce Data Collection

http://www.khpa.ks.gov/data_consortium/Health_Professions_Workforce_Data.html

Health Professions Workforce Data Workgroup Update

- **Goal**: *To review current Kansas licensure data, identify gaps, and determine how best to obtain additional data necessary to support statewide workforce planning while minimizing the cost/burden to providers and associations for collecting it.*

- **Strategy**: Collaborative effort between suppliers, regulators, and users of workforce data to :
    - Conduct a comprehensive needs assessment
    - Identify gaps in current data
    - Brainstorm opportunities to optimize data collection to match needs, taking into consideration the cost and burden to providers

- **Members**: http://www.khpa.ks.gov/data_consortium/Team%20Members/Health_Prof_Workforce_WrkGrp.pdf

Health Professions Workforce Data Workgroup Update (cont'd)

- **First workgroup meeting held November 6, 2009 in Topeka**
  - Focus: Comprehensive Needs Assessment
    - » KU Physician Workforce Report (2007), Oral Health Workforce Assessment (2007/2009) study recommendations
    - » HPSA/MUA designation-related needs
    - » Environmental scan (Other state initiatives: NC, TX, FL, CA, HI)
    - » Workgroup member suggestions from multi-organizational perspectives

Health Professions Workforce Data Workgroup Update (cont'd)

- Second workgroup meeting held January 15, 2010 in Topeka
  - Focus: Gap / Feasibility Analysis
    - » A table of all data currently submitted by Boards to KHPA and KDHE was matched with needs to identify gaps (additional data elements needed)
    - » A comprehensive review of elements on Application, Renewal, Reinstatement, and Reciprocity forms used by the 8 Boards (80 provider forms and 15 business forms) was conducted
    - » Member comments on potential data collection challenges incorporated into an online matrix

Health Professions Workforce Data Workgroup Update (cont'd)

- One more meeting planned in March 2010
  - Focus: Brainstorming solutions and crafting recommendations
    - » Potential data sources and mechanisms for data collection will be researched and recommended
    - » Recommendations to address:
      - Common minimal dataset elements for all provider types
      - Additional elements needed from specific providers
      - Frequency of collection
      - Collection mechanism: Licensure process vs survey; Centralized vs decentralized, etc.

Recommendations to be shared with Data Consortium and KHPA Board in April 2010

KHIIS/ Private Payer Market Reports

KHIIS Developmental Draft Report Samples

- Utilization by diagnosis, line of business, and age (2007)
  - Summary Table
  - Graph 1: Paid Claims by Diagnosis and Line of Business
  - Graph 2: Top 8 diagnoses by volume
  - Graph 3: Top 8 diagnoses by expenditure
  - Graph 4: Percentage of claims paid by age and line of business

Open Discussion &
Next Steps

Future Meeting Dates
(Tentative)

- April 7, 2010 (Wednesday) : 1:30 pm

http://www.khpa.ks.gov/